

**IN THE CLAIMS**

Please amend claim 1 as follows:

1. (Currently Amended) A method for measuring quality of service over a network, the method comprising:

transmitting from a server to a client a mobile program and a plurality of first  
5 identifiers representing a plurality of first target hosts accessible to the client over the network, the first target hosts being independent of the server and the mobile code being executable in a client application and capable of measuring one or more quality of service parameters of the network for communications between the client and each of the first target hosts; and

10 receiving at the server from the mobile program data representing a plurality of quality of service parameters measured by the mobile program from communications between the client and the first target hosts.

Please insert the following new claims:

2. (New) The method of claim 1, comprising transmitting from the server to the client a plurality of second identifiers representing a plurality of second target hosts accessible to the client over the network.

3. (New) The method of claim 2, comprising selecting the second target hosts based upon the quality of service parameters measured by the mobile program from communications between the client and the first target hosts.

4. (New) The method of claim 1, wherein the mobile program comprises an applet executable within a web browser residing on the client.

5. (New) The method of claim 1, wherein the first identifiers comprise uniform resource locators.

6. (New) The method of claim 1, wherein the quality of service parameters measured by the mobile program include a round-trip time between the client and each of the first target hosts.

7. (New) The method of claim 1, wherein the step of transmitting the mobile program and plurality of first identifiers comprises:

transmitting the mobile program to the client;

receiving a request from the mobile program for identifiers; and

5 transmitting the first identifiers to the client in response to the request from the mobile program.

8. (New) In a network connecting a plurality of clients and servers, a method for measuring quality of service over the network, the method comprising:

a first server transmitting to a first client a mobile program and a plurality of first identifiers representing a plurality of first target host servers accessible to the first

5 client over the network, the first target host servers being independent of the first server;

the first client receiving and executing the mobile program within an application residing on the first client;

the mobile program executing on the first client:

retrieving the first identifiers,

10 attempting to establish communication between the first client and each of the first target host servers represented by the first identifiers,

measuring one or more quality of service parameters of the network for the attempted communication between the first client and each of the first target hosts, and

15                   transmitting the measured quality of service parameters to the first server;

and

the first server receiving the measured quality of service parameters from the mobile program.

9.       (New) The method of claim 8, comprising the first server selecting a plurality of second identifiers representing a plurality of second target host servers accessible to the first client over the network based at least in part upon the received measured quality of service parameters and transmitting the second identifiers to the first client.

10.      (New) The method of claim 10, the mobile program executing on the first client:

retrieving the second identifiers;

attempting to establish communication between the first client and each of the

5   second target host servers represented by the second identifiers,

measuring one or more quality of service parameters of the attempted communication between the first client and each of the second target hosts, and

transmitting the measured quality of service parameters to the first server.

11. (New) A system for measuring quality of service over the network, the network connecting a plurality of clients and servers, the system comprising:

means on a first server for transmitting to a first client a mobile program and a plurality of first identifiers representing a plurality of first target host servers accessible  
5 to the first client over the network, the first target host servers being independent of the first server;

means on the first client for receiving and executing the mobile program within an application residing on the first client;

the mobile program when executing on the first client being capable of:

10 retrieving the first identifiers,

attempting to establish communication between the first client and each of the first target host servers represented by the first identifiers,

measuring one or more quality of service parameters of the network for the attempted communication between the first client and each of the first target  
15 hosts, and

transmitting the measured quality of service parameters to the first server;

and

means on the first server for receiving the measured quality of service parameters from the mobile program.